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1. A device for eliminating a gap of the threaded rod of a plane machine comprising a bottom base, said bottom having its four corners respectively fixed with a threaded rod extending upward, said four threaded rods respectively screwed with four threaded rod bases provided at the four corners of a planing table, said planing table adjustable to move up and down:

Characterized by four gap nuts respectively screwed with said four threaded rods under said threaded rod base, four springs respectively fitted between said gap nuts and said threaded rod bases, said springs pressed tight when said gap nuts are screwed upward, said gap nuts screwed together with said threaded rod bases by bolts to prevent said gap nuts from loosening and turning around; and

Each said backlash nut screwed upward to press each said spring to push against said threaded rod base, said threaded rod base having its inner threads moved upward to closely push against the outer threads of each said threaded rod, the gap between said inner threads of said threaded rod base and said outer threads of said threaded rod able to be eliminated, said planing table able to be stabilized to carry out planing smoothly and precisely.

2. The device for eliminating backlash of the threaded rod of a plane machine as claimed in Claim 1,

wherein said threaded rod base and said gap nut
respectively have an annular spring holder formed at the
outer circumferential surface for two ends of said spring
to be positioned thereon, said annular spring holder of
5 each said threaded rod base and said gap nut respectively
bored with locking threaded holes and positioning holes
preset in number, at least one of said positioning holes
aligned to one said locking threaded hole, a bolt inserted
in both said positioning hole and said locking threaded
10 hole to combine each said gap nut together with each
said threaded rod base.

3. The device for eliminating backlash of the
threaded rod of a plane machine as claimed in Claim 2,
wherein said threaded rod base and said gap nut
15 respectively have said annular spring holder bored with
an annular spring receiving groove for receiving the two
ends of said spring.

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